

# Heitor Gouvêa

Cybersecurity Researcher and Speaker

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## SUMMARY

I am an Cybersecurity Researcher and Speaker, I have been working on projects that help people, organizations and companies take control of their own informations.

My work is focused on understanding threat models, analyzing existing applications and building intelligent tools to combat current and future security risk for both individuals or groups.

I have experience developing in a wide array of programming languages including: Shell Script, JavaScript, Perl and Mojo Framework.

I have knowledge of telecommunication and internet protocols including, but not limited to: TCP/IP, UDP, HTTP, FTP, SSH, SMTP and Telnet.

I have audited high profile websites for security vulnerabilities and have managed and worked in teams of software developers and computer scientists delivering high security architectures.

When I am not doing any of that stuff I run a range of open source software projects:  
<https://github.com/GouveaHeitor>

## EXPERIENCE

### Cybersecurity Researcher and Speaker

Independent

04/2018 - PRESENT

I am an itinerant professional who travels while working. I work remotely around the world conducting offensive information security projects for incredible companies like: Cabify, HackerOne, Github and other not-so-famous but equally amazing companies. Today I work in the market offering the following services as cybersecurity consulting: vulnerability analysis, pentest and training in: techniques, concepts and awareness.

### Security and Development Analyst

Horizon Four

11/2017 - 03/2018

I acted providing consulting in the field of information security offensive to institutions, private companies and governmental organizations. My work was focused on writing business proposal models, confidentiality and reports, and understanding threat models, analyzing existing applications and building intelligent tools to combat current and future security risk for both individuals or groups. In addition to ministering trainings about Information Security like: awareness, tools and techniques.

### Information Technology Trainee

IMA - Computer Associates Municipalities S/A

04/2016 - 11/2017

I participated in the trainee program in order to be trained and prepared to assume strategic positions in the future. During the trainee process I worked directly with clients understanding their problems and later proposing some solutions, developing, performing vulnerability analyzes and maintaining Government Systems that used technologies like: PHP 7, Symfony Framework, JavaScript, CoffeeScript, Doctrine, MySQL, Twig, Ruby On Rails and others technologies...

## TECHNICAL SKILLS

**Network:** TCP/IP, UDP, HTTP, FTP, SSH, SMTP and Telnet

**Architecture:** Scalability, Distributed system, Decentralized systems, High architecture, Parallel computing and Design patterns

**Front-end:** HTML5, CSS3, MaterializeCSS, Sass, JavaScript and AngularJS

**Back-end:** Shell Script, Perl and Mojo Framework

**Database:** MySQL and PostgreSQL

**Tools:** Bower, Git, Npm, Jekyll, Grunt and Docker

**Application Security:** Hardening, Cryptography, Cryptanalysis, Vulnerability analysis, Penetration testing and Secure code review

**Agile Methods:** Scrum and Extreme Programming

**Others:** Web performance, SEO, Responsive Design, Cross-browser, OOP, UML, Progressive Web Apps and Linux Administration

## LANGUAGES

**Portuguese:** native proficiency

**English:** limited working proficiency